VISIONREPORT Viewer

User Manual

EMOTIONAL TECHNOLOGY

IPEK

An IDEX Water & Wastewater Business. IDEX

Symbols used

The following symbols are used in this user manual:

CAUTION!
This safety warning describes dangerous situations in which fatal injuries or severe injuries can occur.

ATTENTION!
This safety warning describes dangerous situations in which material damage to the inspection system or to other objects can occur.

NOTE!
This symbol identifies instructions that are important for economical use of the system and that facilitate its use.

NOTE!
The owner of the system is responsible for proper disposal! See the note on device take-back at the end of service life.

MAINTENANCE!
This symbol indicates instructions that explain how to properly clean and care for the system to prevent defects and major repairs. The service life of your system can be significantly extended through proper maintenance.

FACILITATED WORKSTEP!
If you perform this work step you can execute the described function faster.

About this user manual

The following pages describe how to commission and operate the ***VISIONREPORT*** Viewer software properly for your working environment. ***iPEK*** has developed the product to ensure you can use the system safely, properly and economically. It is necessary that you read this user manual carefully before using the program. Follow all instructions exactly to avoid putting yourself and other persons at risk and to prevent damage to the system! If you have any questions relating to using the ***VISIONREPORT*** Viewer software that are not answered in this manual, please contact our service staff.

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Notes

System requirements

Operating system

VISIONREPORT Viewer can be used on Microsoft Windows XP (32 Bit and 64 Bit) and higher. Other operating systems are not supported.

System font size

The DPI setting of the system fonts must be set to 96 dpi. Otherwise images will not be correctly displayed in inspection protocols. In Windows XP for example the DPI setting can be found under Display -> Properties -> General.

Program launch

The ***VISIONREPORT Viewer*** software consists of an executable program file and does not need to be installed.

NOTE!
Please note that relevant video codecs may need to be installed depending on your operating system and default settings. For detailed information on this please contact your service partner.

Availability / download

The ***VISIONREPORT Viewer*** software can be downloaded free-of-charge from the ***iPEK*** website. The file is packaged as a compressed ZIP folder. You need an unzip program to unpack it.

Data protection

When working with your ***VISIONCONTROL*** control panel you see your customers' master data. Handle this data confidentially. Under German law observe the provisions of the German Data Protection Act (Bundesdatenschutzgesetz, BDSG). Internationally the OECD guidelines apply (Guidelines on the Protection of Privacy and Transborder Data Flows of Personal Data).

Update

The latest version of the ***VISIONREPORT*** Viewer can be downloaded free-of-charge from the ***iPEK*** website. The program itself does not contain any update functionality. You should therefore check the ***iPEK*** website as required to see whether an update is available.

Circulating

You may circulate the ***VISIONREPORT Viewer*** to your customers free-of-charge and without further licensing. For example you can burn the viewer along with an inspection project onto a DVD and then circulate this to your customers.

Application

The ***VISIONREPORT Viewer*** software has been specially designed to enable you to view inspection projects created with the ***VISIONREPORT*** software via the ***VISIONCONTROL*** control panel on your computer. You can also use the viewer to create inspection protocols for the projects. .

NOTE!
It is not possible to edit the projects or amend data using the ***VISIONREPORT Viewer.*** For editing you require either your ***VISIONCONTROL*** along with ***VISIONREPORT*** or a PC with ***WinCan v8.***

Operation

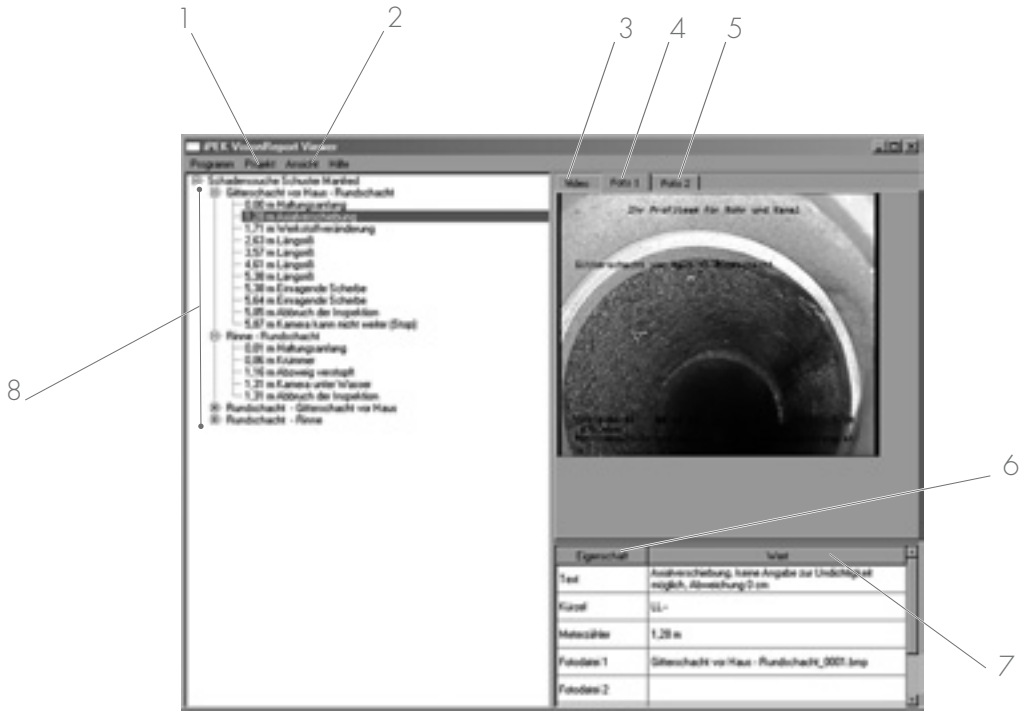
Program launch and configuration

The ***VISIONREPORT Viewer*** automatically launches in the system language as set (if available). At launch the viewer loads the files "logo. bmp" und "logo.txt" that need to be located in the viewer's program directory. These files are used to adapt the company logo and the company data in the inspection protocols. The size of the logo and text is automatically adapted, that is, reduced if necessary..

NOTE!
The units and the displayed values of the meter-counter may vary depending on your regional settings.

Software user interface

The ***VISIONREPORT Viewer*** software offers a simple and clear user interface..



1 Open / Close project / Create Report
2 Expand/reduce project nodes
3 Video of the selected section
4 1st image of the selected section
5 2nd image of the selected section
6 Properties of the selected section
7 Values of the respective properties
8 Overview of the sections

Projects

Opening projects

When you copy the ***VISIONREPORT Viewer*** into a project directory, the viewer automatically loads this project when it launches. This is particularly useful if you are burning a project on to DVD for a customer.

Alternatively you can select and load a project via the "Project" -> "Open" menu.

Selecting sections

When you select a section in the section preview, the relevant inspection video and associated images automatically appear on the right of the window. The inspection video is automatically launched after the section is selected.

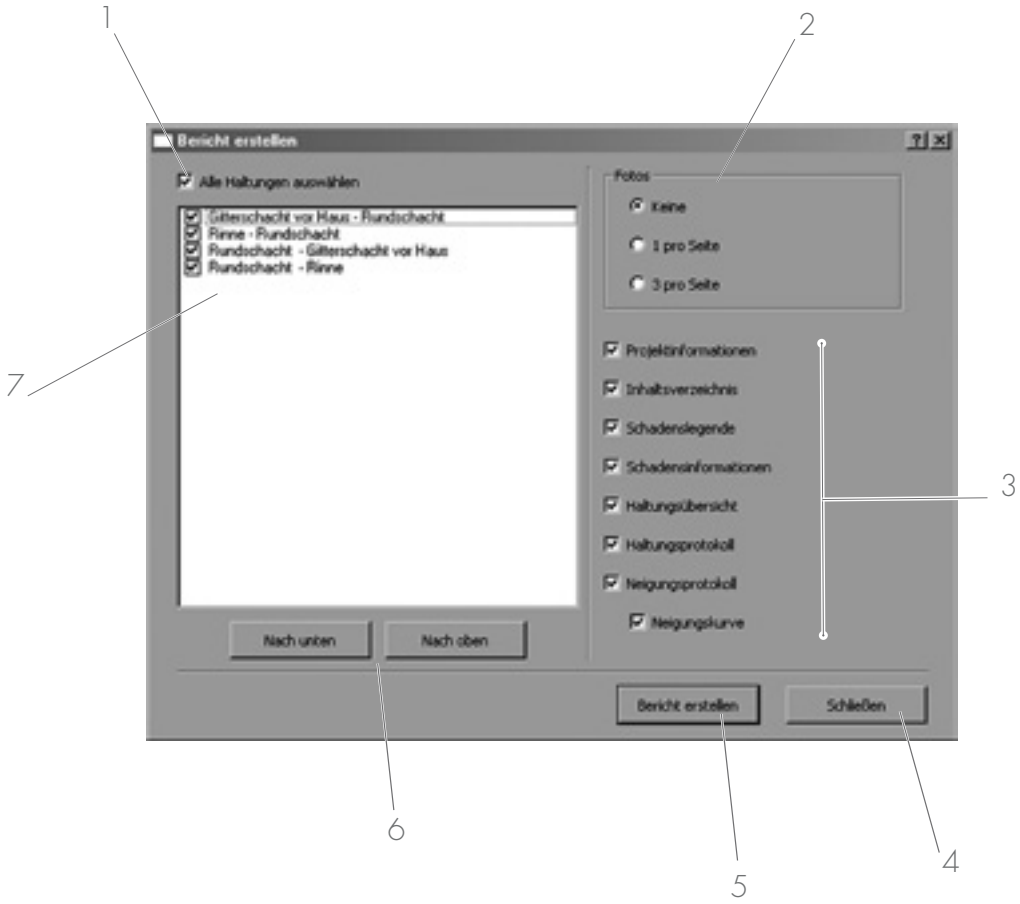
The relevant inspection data appears under the video and image view for each section.

Events

If the relative node in the tree view is expanded in the section overview, all events recorded for the relevant section are displayed. The individual properties of the events are in turn presented below the video or image view. When you click an event, the video automatically displays the corresponding sequence (if available).

Creating reports

You can use the ***VISIONREPORT Viewer*** software to create reports for your selected project. The report layouts are predefined and may not be amended. To create a report select "Project" -> "Create Report". Reports are saved as PDFs in the folder you select. You can select the required content for the report in the following dialog.



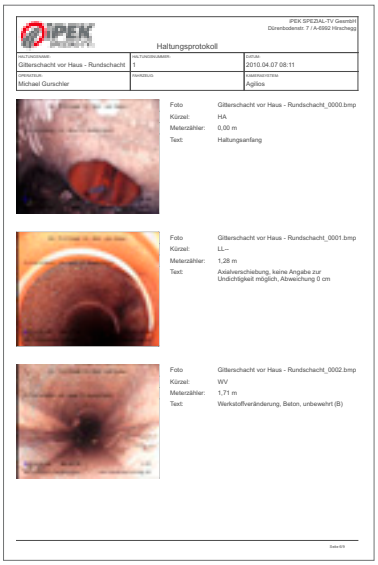
1 Select all sections
2 Option for displaying photos
3 Options for report content
4 Close window without saving
5 Create report
6 Reorder sections
7 Select sections

Selecting all sections

If you select the option “Select all sections”, all sections in the project are selected and then loaded into the report with the associated data.

Photos

Select the inspection photos to appear in your report. You can either hide the all photos or display one or three photos per report page.


IPEK SPEZIAL-TV GesmbH
Dürenbodenstr. 7 / A-6992 Hirschegg

Haltungsprotokoll

HALTUNGSNAME:	HALTUNGSNUMMER:	DATUM:
Gitterschacht vor Haus - Rundschacht	1	2010.04.07 08:11
OPERATEUR:	PROBEBUG:	KAMERASYSTEM:
Michael Gurschler		Agilos

Foto Gitterschacht vor Haus - Rundschacht_0000.bmp
Kürzel: HA
Meterzähler: 0,00 m
Text: Haltungsanfang

Foto Gitterschacht vor Haus - Rundschacht_0001.bmp
Kürzel: LL–
Meterzähler: 1,28 m
Text: Axialverschiebung, keine Angabe zur Undichtigkeit möglich, Abweichung 0 cm

Foto Gitterschacht vor Haus - Rundschacht_0002.bmp
Kürzel: WV
Meterzähler: 1,71 m
Text: Werkstoffveränderung, Beton, unbewehrt (B)

Sample layout: three photos per report page

Report contents

To create individualised reports you can select the content individually or choose to exclude certain content from the report. The possible options are dependent on the selected damage catalogue.

Section order

Use the “Up” and “Down” buttons to change the order of the sections.

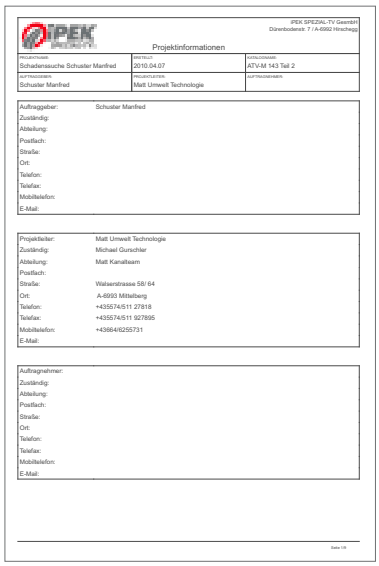
Selecting sections

Select the sections you would like to export to your report.

Report structure

Project information

The project information area contains all data relating to the inspector, the customer and the inspection object.



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Projektinformationen

PROJEKTNAME	ERSTELLT	KATALOGNAME
Schadenssuche Schuster Manfred	2010.04.07	ATV-M 143 Teil 2
AUFTRAGGEBER	PROJEKTLEITER	AUFTRAGNEHMER
Schuster Manfred	Matt Umwelt Technologie	

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Zuständig:	
Abteilung:	
Postfach:	
Straße:	
Ort:	
Telefon:	
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Mobiltelefon:	
E-Mail:	

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Straße:	
Ort:	
Telefon:	
Telefax:	
Mobiltelefon:	
E-Mail:	

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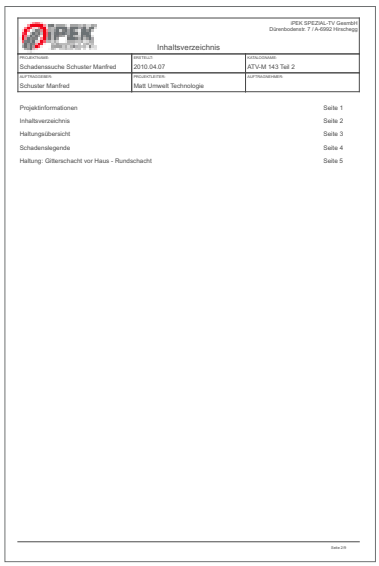
Sample project information

Table of contents

The table of contents of the report shows what content information is contained on what pages of the report. The table of contents is particularly important for lengthy reports.



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Inhaltsverzeichnis

PROJEKTNAME	ERSTELLT	KATALOGNAME
Schadenssuche Schuster Manfred	2010.04.07	ATV-M 143 Teil 2
AUFTRAGGEBER	PROJEKTLEITER	AUFTRAGNEHMER
Schuster Manfred	Matt Umwelt Technologie	

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Schadenslegende	Seite 4
Haltung: Gitterschacht vor Haus - Rundschacht	Seite 5

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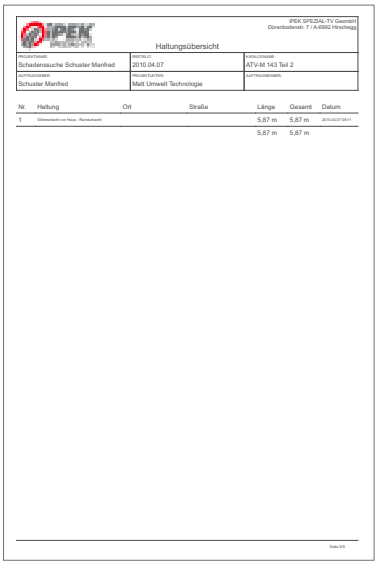
Sample table of contents

Section overview

The section overview area displays a list of all sections, their individual lengths and the date on which this section was created.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Haltungsübersicht

PROJEKTNAME	ERSTELLT	HERKUNFTSNAME
Schadenssuche Schuster Manfred	2010.04.07	ATV-M 143 Teil 2
AUFTRAGGEBER:	PROJEKTLEITER:	AUFTRAGNEHMER:
Schuster Manfred	Matt Umwelt Technologie	

Nr.	Haltung	Ort	Straße	Länge	Gesamt	Datum
1	Dürenbodenstr vor Haus - Rondenhardt			5,87 m	5,87 m	2010-04-07 09:11
				5,87 m	5,87 m	

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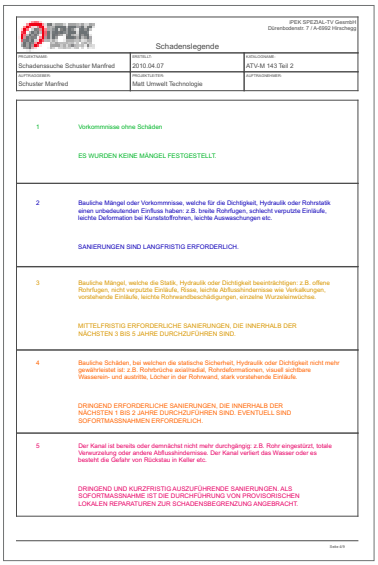
Sample section overview

Damage description

Individual damage classifications can be highlighted in colour in the report. The damage description gives you an overview of what colour stands for what classification.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Schadenslegende

PROJEKTNAME	ERSTELLT	HERKUNFTSNAME
Schadenssuche Schuster Manfred	2010.04.07	ATV-M 143 Teil 2
AUFTRAGGEBER:	PROJEKTLEITER:	AUFTRAGNEHMER:
Schuster Manfred	Matt Umwelt Technologie	

1	Vorkommnisse ohne Schäden ES WURDEN KEINE MÄNGEL FESTGESTELLT.
2	Bauliche Mängel oder Vorkommnisse, welche für die Dichtigkeit, Hydraulik oder Rohrstatik einen unbedeutenden Einfluss haben: z.B. breite Rohrfugen, schlecht verputzte Einläufe, leichte Deformation bei Kunststoffrohren, leichte Auswaschungen etc. SANIERUNGEN SIND LANGFRISTIG ERFORDERLICH.
3	Bauliche Mängel, welche die Statik, Hydraulik oder Dichtigkeit beeinträchtigen: z.B. offene Rohrfugen, nicht verputzte Einläufe, Risse, leichte Abflusshindernisse wie Verkalkungen, vorstehende Einläufe, leichte Rohrwandbeschädigungen, einzelne Wurzeleinwüchse. MITTELFRISTIG ERFORDERLICHE SANIERUNGEN, DIE INNERHALB DER NÄCHSTEN 3 BIS 5 JAHRE DURCHZUFÜHREN SIND.
4	Bauliche Schäden, bei welchen die statische Sicherheit, Hydraulik oder Dichtigkeit nicht mehr gewährleistet ist: z.B. Rohrbrüche axial/radial, Rohrdeformationen, visuell sichtbare Wasserein- und austritte, Löcher in der Rohrwand, stark vorstehende Einläufe. DRINGEND ERFORDERLICHE SANIERUNGEN, DIE INNERHALB DER NÄCHSTEN 1 BIS 2 JAHRE DURCHZUFÜHREN SIND. EVENTUELL SIND SOFORTMASSNAHMEN ERFORDERLICH.
5	Der Kanal ist bereits oder demnächst nicht mehr durchgängig: z.B. Rohr eingestürzt, totale Verwurzelung oder andere Abflusshindernisse. Der Kanal verliert das Wasser oder es besteht die Gefahr von Rückstau in Keller etc. DRINGEND UND KURZFRISTIG AUSZUFÜHRENDE SANIERUNGEN, ALS SOFORTMASSNAHME IST DIE DURCHFÜHRUNG VON PROVISORISCHEN LOKALEN REPARATUREN ZUR SCHADENSBEGRENZUNG ANGEBRACHT.

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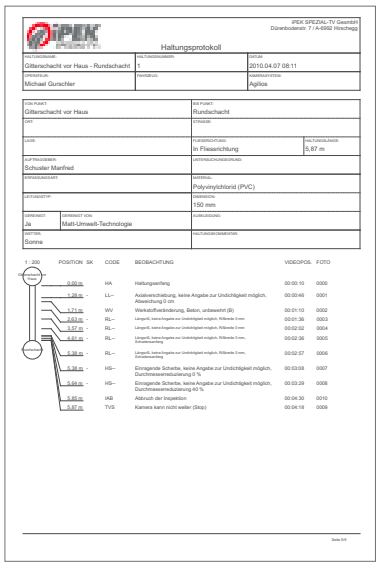
Sample damage description

Section protocol

The section protocol lists all information from each section. The first page of each section protocol provides an overview of the most important master data of the section in question. The following pages then contain all detailed information and the photos of the sections of the section if selected.



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Dürenbodenstr. 7 / A-6992 Hirschegg

Haltungsprotokoll

HALTUNGSNAME	HALTUNGSNUMMER	DATUM
Gitterschacht vor Haus - Rundschacht	1	2010.04.07 08:11
OPERATEUR	KANTON	KANALKATASTER
Michael Gurschler		Agilos

VON PUNKT	BIS PUNKT
Gitterschacht vor Haus	Rundschacht
ORT	STRASSE
LAGE	PLATZBESCHTUNG / HALTUNGSLÄNGE
	In Fliesrichtung / 5,67 m
AUFTRAGGEBER	ENTWÄSSERUNGSVERFAHREN
Schuster Manfred	
EINGEBAUDATUM	MATERIAL
	Polyvinylchlorid (PVC)
LEITUNGSTYP	DIMENSION
	150 mm
ERFASST / ERFASST VON	KANALNUTZUNG
Ja / Matt-Umwelt-Technologie	
WETTER	HALTUNGSBEMERKUNG
Sonne	

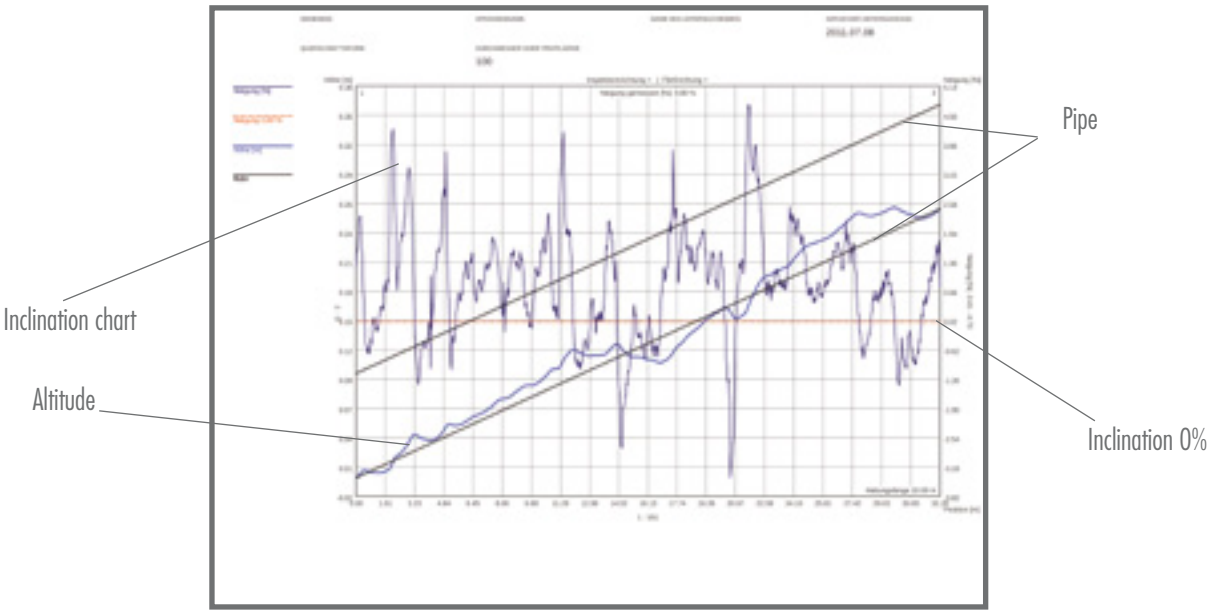
1 : 200	POSITION	SK	CODE	BEOBACHTUNG	VIDEOPOS.	FOTO
	0.00 m	-	HA	Haltungsanfang	00:00:10	0000
	1.28 m	-	LL–	Axialverschiebung, keine Angabe zur Undichtigkeit möglich, Abweichung 0 cm	00:00:46	0001
	1.71 m	-	WV	Werkstoffveränderung, Beton, unbewehrt (B)	00:01:10	0002
	2.63 m	-	RL–	Längsriß, keine Angabe zur Undichtigkeit möglich, Rißbreite 0 mm	00:01:36	0003
	3.37 m	-	RL–	Längsriß, keine Angabe zur Undichtigkeit möglich, Rißbreite 0 mm	00:02:02	0004
	4.61 m	-	RL–	Längsriß, keine Angabe zur Undichtigkeit möglich, Rißbreite 0 mm, Scherbenbildung	00:02:36	0005
	5.39 m	-	RL–	Längsriß, keine Angabe zur Undichtigkeit möglich, Rißbreite 0 mm, Scherbenbildung	00:02:57	0006
	5.39 m	-	HS–	Einragende Scherbe, keine Angabe zur Undichtigkeit möglich, Durchmesserreduzierung 0 %	00:03:08	0007
	5.64 m	-	HS–	Einragende Scherbe, keine Angabe zur Undichtigkeit möglich, Durchmesserreduzierung 40 %	00:03:29	0008
	5.65 m	-	IAB	Abbruch der Inspektion	00:04:30	0010
	5.67 m	-	TVS	Kamera kann nicht weiter (Stop)	00:04:18	0009

Seite 0/0

Sample section protocol

Interpretation of the inclination protocol

Example of a inclination protocol.



Inclination [%]:

Inclination readings of the crawler in percent. The curve shows irregularities within the pipe which are typically caused by joints packings or debris..

Inclination 0,00 %:

Shows the zero line of the inclination.

Altitude [m]:

Shows changes of the altitude of the pipe. The calculation of the altitude curve is based on the inclination data as well as the pipe diameter and altitudes at the start and end manhole.

Pipe:

Depending on the the section property Pipe Diameter and the calculated altitude difference both lines show a schematic of the pipe. The distance between both lines always matches the pipe diameter.

Saving reports

Reports are automatically saved as PDF files in the ***VISIONREPORT Viewer*** software. A name for the report is automatically suggested in the save dialog. You can overwrite this by selecting it and entering your required file name.

Customer service addresses

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We extend our best wishes for success and satisfaction when working with your new ***iPEK*** inspection system! We would be pleased to answer any questions. We would be grateful for improvement suggestions and other recommendations!

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